ABSTRACT OF THE DISCLOSURE

A variable optical attenuator. A PIN structure is integrated with an optical detector such as a PIN diode or an APD diode. When the PIN structure is forward biased, the light signal is not affected and is detected by the optical detector. When the PIN structure is reverse biased, the light signal is attenuated and the dynamic range of the optical detector can be increased.

W:\15436\269.1\DFW0000008125V001.doc